(Exo-)Planetary Systems Data Model Meeting
- introduction -

Marco Molinaro

INAF – OATs

Outline

- "Historical Intro"

- Who may be interested

- What are we doing here?

Time Series for GAPS

June 2017

ASTERICS Wiki pages

Trace: · wp4exodm · wp4 · **wp4gapsinaf**

open:wp4:wp4gapsinaf

GAPS Time Series face-to-face Meeting

INAF-OAPd, Padova, 22/06/2017

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Participants

Name	Affiliation
Marco Molinaro	INAF-OATs
Andrea Bignamini	INAF-OATs
Serena Benatti	INAF-OAPd
Riccardo Claudi	INAF-OAPd

- Time Series is one of the GAPS products

- Time Domain is an IVOA priority

- Let's bring GAPS Time Series in the VO
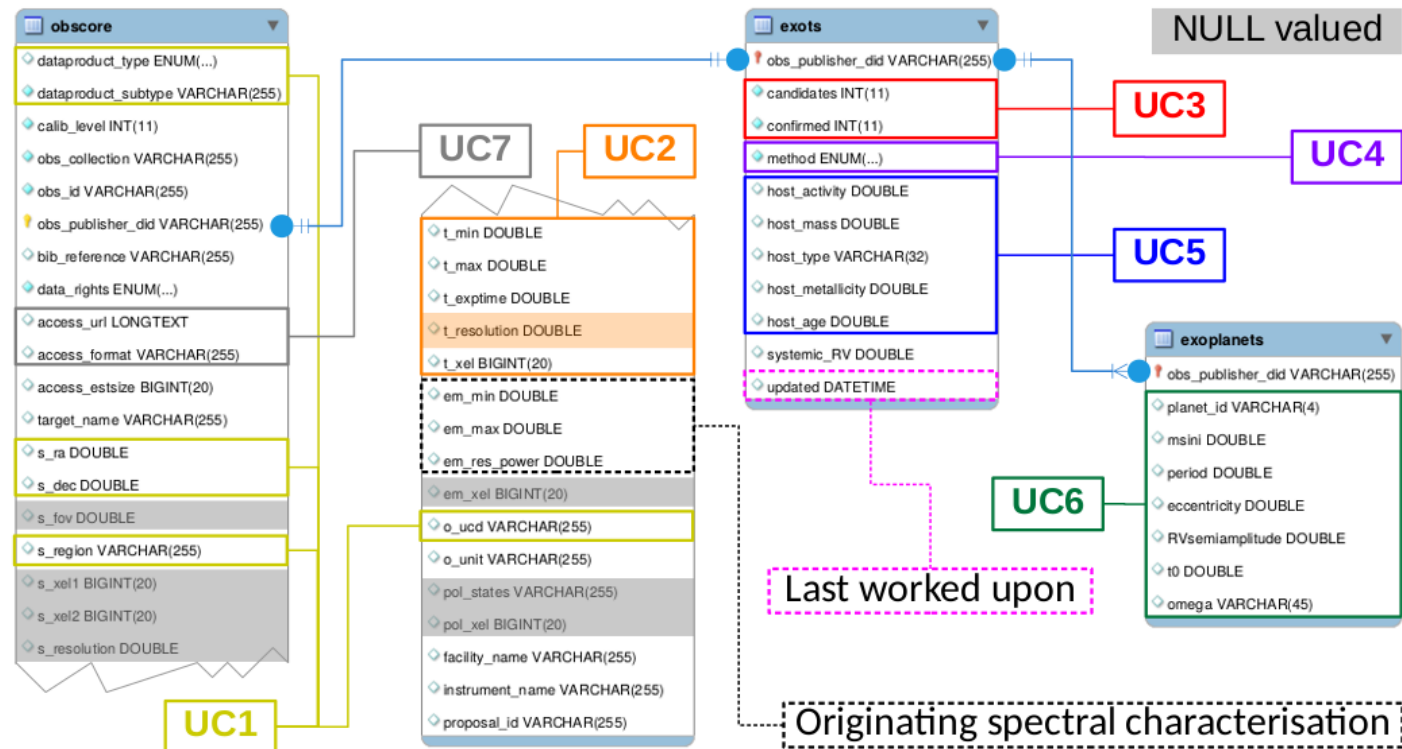
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Meeting Report

A face-to-face meeting has been held at INAF-OAPd (Padova, Italy) on Thursday the 22th of June 2017 to discuss the use cases and possible prototyping of a service to deploy dataset consisting of time series of radial velocity produced by the ⊙ GAPS project when studying stellar systems for discovery of exoplanets.
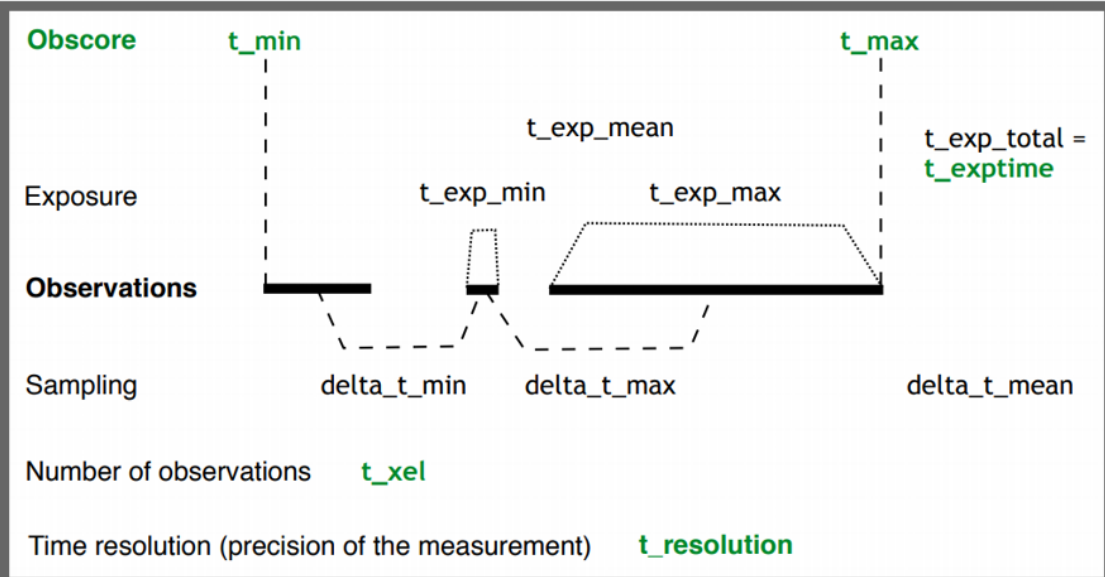
ADASS & IVOA Report

October 2017

Use Case driven

ObsCore based

DataSet
Discovery
approach

Molinaro – GAPS Time Series - IVOA Southern Spring Interop 2017 – TD/DAL/DM – Santiago 27 October 2017

Time Axis Characterisation

Oct. 2017 – May 2018

ObsCore

Time Axis description

is not enough

Data Model for Planetary Systems

February 2018

Describe stellar

system components

and their attributes in

a common way

Stakeholders

- VO members

- GAPS

- Trieste "ARTECS" exo-atmosphere

- ASI-SSDC ExoplAn3T client application

- (EuroPlaNet)

- …others…

A proposal…

- Let's try designing a preliminary model that describes a stellar system with planets

  – All the details we know about

  – All the details we use in our work

- Keeping in mind

  – We want to use it to find datasets with respect to the above metadata

  – We want to use it to write datasets annotating the components with the above metadata